

XII. *Descriptions of New Species of the Genus Bassus.*

By THOMAS DESVIGNES, Esq.

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HAVING already given a list of indigenous *Bassi*, in the Catalogue printed for the British Museum, I do not think it necessary to recapitulate them here; their descriptions are accurately given by Grav. Vol. III. Ich. Eur. pp. 312—357. The following I consider to be eleven new distinct species, and have, therefore, ventured to describe them as such. The females in this sub-genus of the family of the *Bassi* vary:—thus the apex of the abdomen in some species is but little compressed, in others the remaining segments from the second are completely so, forming, as it were, a narrow dorsal ridge—but the males are mostly similar to one another in their habits, and probably from this fact Gravenhorst did not think it necessary to form another sub-genus.

New species described:—

- Bassus rufocinctus*, D.
 „ *maculatus*, D.
 „ *picitans*, D.
 „ *scabrosus*, D.
 „ *albicinctus*, D.
 „ *frenator*, D.
 „ *thoracicus*, D.
 „ *flavus*, D.
 „ *planus*, D.
 „ **compressus*, ♂ (♀ B. M. C. 91—19).
 „ *pulchellus*, D.
 „ *elegans*, Grav. ♂
 „ * „ ♀ D.

Bassus rufocinctus.

Segmentis 1 et 2 crebre punctatis, 2—5 rufo-marginatis; coxis et femoribus nigris, tibiis et orbitis oculorum internis flavis, scutello nigro.

Long. 2—2½ lin. ♂ et ♀.

Head—apex of mandibles and the inner orbits of the eyes, extending above and a little below the antennæ, yellow. *Antennæ* filiform, more than half the length of body. *Thorax* gibbous, with a line before and a small dot at the base of wings yellow.

Wings hyaline, with a very faint tinge of yellow; base and stigma pale, the latter slightly cloudy. *Legs*—coxæ and trochanters black, the first and second pairs of the latter sometimes yellow at their apex; first pair of femora pitchy fulvous at the base, paler at the apex, second pair black at the base, sulphur colour afterwards; hinder femora black, the extreme apex fulvous; all the tibiæ yellowish, the tarsi fuscous.

Abdomen depressed, first segment sessile-quadrate, the second broader than the first, both deeply punctate, a slightly impressed line on each, the remainder punctate; the margins of second to fifth segments chestnut red; apex of female sub-compressed; aculeus sub-exserted.

Allied to *B. multicolor*, Grav.

Bassus maculatus.

Segmentis mediis rufis nigro-maculatis; pedibus fulvis, coxis et trochanteribus flavis, posticis basi nigris; ♂ facie, genis, picturis thoracis et pectoris flavis; ♀ ore et maculâ fere dimidiatâ infra-antennas flavis, abdomine e segmento 2° compresso.

Long. 2—2¼ lin.

Head—face, cheeks and frontal orbits of the ♂ yellow, the former distinctly protuberant longitudinally; female with a yellow dot nearly double just below the antennæ. *Antennæ* shorter than the body, filiform, the last joint slightly acuminate; of the ♂ beneath yellow; ♀ towards the base pale ferruginous, second joint at the extreme base black. *Thorax* more cylindrical than gibbous, a line before, a dot at the base and another adjoining beneath the wings, yellow; the ♂ has besides a yellow band extending from below the wings to the breast behind the first pair of coxæ, and also a yellow dot on each side of the collar. *Scutellum* black. *Wings* hyaline; stigma and base pale; the costa fuscous. *Legs* fulvous; coxæ and trochanters yellow, the hinder pair black at the base, a blackish streak beneath the posterior femora of the ♂; tibiæ pale fulvous, and the tarsi rather darker. *Abdomen* ♂—1st and 2nd segments black, the margin of the latter and 3rd—5th segments rufous or chestnut; 3rd—5th with a large, central, somewhat triangular black patch. ♀ black, the sides of the 2nd—5th entirely red or chestnut, from the apex of the 2nd much compressed, forming, as it were, a narrow ridge on the back; aculeus very short, curved upwards.

Bassus picitans.

Segmento secundo puncto laterali obscuro-ferrugineo, pedibus fulvis, coxis nigris; ♂ orbitis oculorum internis et macula faciei flavis; ♀ ore, clypeo, et puncto faciali flavis, areola oblique quadrata.

Long. $1\frac{3}{4}$ —2 lin.

Rather smaller than *B. pictus*.

Head—face with the internal orbits, a central spot, mandibles and labrum, yellow; ♀ mouth and a small central dot paler yellow. *Antennæ* filiform, longer than half the body; 1st joint beneath yellow. *Thorax* with a line before the wings, and a narrower one under, yellow. *Wings* hyaline; stigma and base pale; areolet obliquely 4-angular. *Legs*—coxæ and trochanters black, their apex sometimes yellowish, or with a paler dot; femora fulvous beneath, more or less dusky towards the base in the ♂, extreme tip of hinder tibiæ and the tarsi obscure. *Abdomen*—the lateral margins of the 2nd segment with an obscure ferruginous dot; 1st and 2nd segments opaque; the apex of ♀ very slightly sub-compressed; aculeus exerted, stout, short.

Bassus scabrosus ♂.

Mas.—Segmentorum marginibus tuberculatis; segmento primo lineis duabus elevatis, segmento 2^o lineis tribus depressis; abdomine toto punctato, præsertim segmentis 1^o et 2^o; pedibus anterioribus flavis; coxis et tarsis posticis nigris, femoribus rufis; scutello, facie et picturis thoracis et pectoris flavis; areola petiolata.

Long. 4 lin.

Head—face, mouth and cheeks, and a portion of the inner orbits above the antennæ, yellow. *Antennæ* not so long as the body, setaceous; first joint beneath yellow; the articulations towards the base longish, and testaceous beneath, gradually darker towards the apex. *Thorax* gibbous, a triangular patch before the wings, below this a perpendicular one broadest at its base, a line below the wings, a pectoral one behind the first pair of coxæ extending upwards, and two large spots before them on the lower part of the collar; a sutural line between the metathorax and mesothorax, and a line below the scutellum, yellow. *Scutellum* yellow. *Wings* smoky hyaline; costa and stigma black, base yellow; areola triangular, petiolated; the inferior nervure of the first cubital cellule slightly arched, but not angulated. *Legs*—Anterior coxæ yellow; femora pale fulvous: hinder coxæ black; apex of trochanters yellow; femora red; all the tibiæ pale fulvous, the apex

of the hinder pair and tarsi black. *Abdomen* longer than the head and thorax, deeply punctured; first segment with two elevated lines meeting before the apex, somewhat shining; second segment with three longitudinal furrows; all the margins tuberculated, less so towards the apex; the first segment a little broader at the base than at the apex, sessile, the sides straight.

Bassus albicinctus.

Segmentis 2^o et 3^o marginibus lateralibus albis, tertio medio ferrugineo; pedibus pallide fulvis, coxis flavis, posticis fere totis nigris, tarsi et apice tibiæ fuscis; facie, parte genarum, scutello et picturis thoracis flavis.

Statura fere omnino *B. albosignati*, Grav.

Long. 3 lin.

Head—face and a portion of cheeks and mouth yellow; apex of mandibles ferruginous. *Antennæ* beneath piceous, first joint yellow. *Thorax*—a transverse line below the scutellum, an angular broad line before, another at the base, also one below the wings, a perpendicular one extending to the breast, behind the first pair of coxæ, and two large round spots before them, yellow. Scutellum yellow. *Wings*—stigma large, and costa black or pitchy; scales pale. *Legs* palish fulvous, or rather reddish; first and second pair of coxæ and all the trochanters yellow: hinder coxæ black, pale at the apex; hinder tarsi and apex of tibiæ fuscous. *Abdomen* depressed, as broad as the thorax, the third segment broadest, first segment with two elevated ridges, the lateral margins also slightly raised; the margin of the second white, with a tinge of red intermixed, the lateral or apical margins of the third white, the space between them light chestnut; first to third rugose or deeply punctured, the remainder much less so and shining; extreme margin of the fifth whitish.

Note.—Allied to *B. albosignatus*, but very distinct: the description is of a male insect.

Bassus frenator.

Pedibus fulvo-rufis, coxis anterioribus flavis, tibiis posticis, plus dimidiatim, et tarsi atris, illis basi albis; scutello apice, et freno flavis; metathorace tumidulo plano; pectore et coxis posticis rufo-flavo variegatis (mas—facie, quoque articulo 1^o antennarum flavis).

Statura *B. pectoratorii*, Grav., sed abdomine absque lineis impressis.

Long. 3 lin.

Head—face, mouth and a small portion of cheeks whitish yellow. *Antennæ* filiform, longer than half the body; beneath testaceous; first joint whitish yellow, base of second blackish. *Thorax*—a line slightly curved before the wings, two united below the first pair, a sutural dot below the second pair, and the collar before the first pair of coxæ, pale yellow; sides of breast red, tinged with yellow. Frenum and apex of scutellum of the same colour. *Wings*—nervures and stigma pitchy; scales pale; areolet small, subtriangular, petiolated. *Legs* above fulvous yellow, paler beneath; anterior coxæ and all the trochanters pale straw-coloured; posterior coxæ pale red; hinder tibiæ before the middle and tarsi deep black; one-third from the apex of the former white. *Abdomen* as broad as the thorax, deep black; first segment with a deepish central furrow; first and second segment nearly opaque, the remainder smoother.

This insect is somewhat like *B. pectoratorius*, but differs in having no impressed lines on the abdomen, which is also much smoother.

Bassus thoracicus.

Pedibus sub-castaneis, tarsi postici et apice tibiarum nigri; pectore et lateribus metathoracis semiustulato-rufis; picturis thoracis, marginibus scutelli et lineis duabus sub scutello pallidis; ore et lineâ mediâ faciei flavis.

Statura et proportio B. picti, Grav., (areolâ simile).

Long. $2\frac{1}{4}$ lin.

Head—palpi, mandibles and a central facial line pale. *Thorax*—a line before, a dot, also a line below the wings, pale; below the wings, and a spot on the sides of metathorax, burnt-reddish colour; the breast with a central obscure patch, two pale lines below the scutellum. *Scutellum* itself black, the outer margins with two angular pale dots. *Legs* pale chestnut-red; hinder tibiæ cloudy-white; the apex and tarsi black. *Wings*—areolet oblong, outwardly a little bent; stigma and base pale, costa and nervures darker. *Abdomen* opaque; 2nd segment slightly aciculated at the base; 6th segment beneath protruding.

Bassus flavus ♂.

Mas.—Corpore subtus toto flavo; oculis, occipite et tarsi postici nigri; scutello magno flavo; segmentis abdominis glauci-marginatis; segmento 1^o thorace angustiore, lateribus rectis; areolâ parvâ petiolatâ.

Long. $2\frac{1}{2}$ lin.

Head—eyes and occiput and forehead black. *Antennæ* beneath pale yellow, obscurer towards the apex, black above. *Thorax* with a broad line before, one at the base, joined to another below the wings, yellow. *Scutellum* large, elevated, subcordate, also a line below yellow. *Wings* hyaline; stigma fuscous, base broadly pale; areolet petiolated, small, triangular, the external nervure rather indistinct. *Legs*—hinder femora somewhat fulvous; the apex of posterior tibiæ and tarsi black. *Abdomen*—the first segment narrower than the thorax, its sides straight, the remainder as broad, with their margins glaucous or pale white.

Bassus planus.

Pedibus rufis; tibiis posticis albidis apice, et tarsis nigris.

♂ facie, antennis subtus flavis, coxis anticis pallidioribus;

♀ ore et puncto faciali sub-stramineis, areolâ obliquâ sessili.

Statura omnino *B. picti*, Grav.

Long. 3 lin.

Head—mouth and face of the ♂ yellow; ♀ mouth and a facial dot paler. *Antennæ* longer than half the body, filiform or sub-setaceous; ♂ beneath yellow. *Thorax* with a narrow yellow streak before the wings. *Wings* smoky hyaline; stigma fuscous, base and scales pale; areolet oblique, 4-angular, sessile. *Legs* red; anterior coxæ and trochanters paler, more so in the ♂; hinder tibiæ whitish, their apex black, also the hinder tarsi. *Abdomen* of the ♂ not so broad as the thorax, the sides parallel; ♀ sub-fusiform; 1st and 2nd segments finely aciculated, the remainder more glossy, but slightly canescent.

B. compressus, ♂. (B. M. C. p. 91—19, ♀.)

Mas.—Facie toto et articulo primo antennarum subtus flavis, reliquis ferrugineis; picturis thoracis et pectoris flavis, coxis anterioribus flavis; abdomine lineare; segmentis 1^o et 2^o et basi 3ⁱ punctatis scabris, reliquis nitidioribus.

Head—face and the lower part of cheeks yellow. *Antennæ*—first joint beneath yellow, the remainder ferruginous. *Thorax* gibbous, a broad hooked line before, a dot at the base and a line below the wings yellow; also a sutural line encircling the breast, behind the first pair of coxæ, of the same colour. *Wings* as in ♀. *Legs* as in ♀, but the anterior coxæ yellow. *Abdomen* linear; 1st, 2nd and base of 3rd segments scabrous, punctate, the remainder glossy; very near the base of 3rd segment is a short depressed line.

Bassus pulchellus.

Abdomine tricolore; segmentis intermediis rufo et viride marginatis; pedibus testaceis aut pallide fulvis; coxis et trochanteribus albo-flavis, illis posticis subtus maculâ nigrâ; femoribus posticis fulvis, subtus basi summo fuscis; tarsis obscuris; scutello, picturis thoracis et pectoris flavis; facie, genis et articulo 1° antennarum subtus flavis, sequentibus testaceis.

Long. $2\frac{1}{2}$ —3 lin.

Statura et proportio omnino *B. Exsultantis*, Grav.

Head—mouth, face and cheeks yellow; apex of mandibles slightly ferruginous. *Antennæ* filiform, shorter than the body; 1st joint beneath yellow, the remainder testaceous. *Thorax* gibbous, a hooked broad line before, a dot at the base, a line below the wings, a spot below the scutellum, a longitudinal line between the first and second pair of coxæ, another encircling the breast, yellow. *Scutellum* yellow. *Wings* hyaline; stigma pale cloudy; scales yellow. *Legs* pale yellow; hinder femora dilute-fulvous; tarsi dusky, coxæ and trochanters whitish yellow; the hinder coxæ with a black spot beneath. Femora also at the extreme base fuscous. *Abdomen*—1st segment linear, finely punctate, the remainder broader than the first, but equilateral; 2nd segment more or less black, its margin red; 3rd red, sometimes rather cloudy, its margin greenish; the remainder black, their margins glaucous.

Note.—Closely allied to *B. Exsultans*.

B. elegans ♀. (♂ Grav. Ich. Eur. Vol. II. p. 313.)

Abdominis medio rufo; pedibus fulvis; ♂ coxis et trochanteribus nigro flavoque pictis; ♀ coxis obscuro nigris fere badiis; tarsis posticis nigris ♂ et ♀; ♂ facie flava, ♀ nigra macula rufa aut ferruginea; ♂ picturis thoracis flavis; ♂ et ♀ scutelli margine apicali flava, interdum punctis duobus flavis; areola oblique rectangulari subsessili.

Long. $2\frac{1}{2}$ —3 lin.

Head—♂ mouth, face and cheeks yellow; ♀ face black, with a central ferruginous or yellowish spot; mouth pale. *Antennæ*—♂ 1st joint beneath yellow; ♀ dark brown entirely. *Thorax*—♂ a line before the wings, a smaller one beneath, a lateral spot on the collar, the lateral suture between the prothorax and metathorax, also a longitudinal line on each side of the breast, yellow; ♀ a line before the wings only, the rest of the thorax black. *Scutellum*—

the apical margin yellow, obsolete, or with only two small apical dots. *Wings*—stigma and costa fuscous, the former somewhat paler. *Areolet* oblique, rectangular, subsessile. *Legs* fulvous; ♂ anterior coxæ yellow, base black; hinder ones black; the apex of trochanters yellow; ♀ coxæ and trochanters chestnut black; the apex of the latter yellowish; ♂ and ♀ hinder tarsi black. *Abdomen* ♂; 1st and 2nd segments, scabrous; 2nd, at the apex mostly fulvous; 3rd, red or fulvous; 4th, seldom entirely red, generally with a black basal fascia: ♀, broad as the thorax, the margin of 1st segment red; 2nd not black at the base; 4th segment sometimes with a black marginal fascia; 5th—7th glossy; the apex scarcely sub-compressed; aculeus very short, thick, distinct.

Var.—1st segment entirely black.
